Golden Motor *Electrical Bicycles Series*

# Leisure E-bike LEB-400 User's Guide

Version1.2

Golden Motor Technology Co.,Ltd

August 24th,2012

# Control of Documents

| TIME | ACTION | EDITOR | EXAMINE AND REVISE | VERSION |
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# 1 Introduction

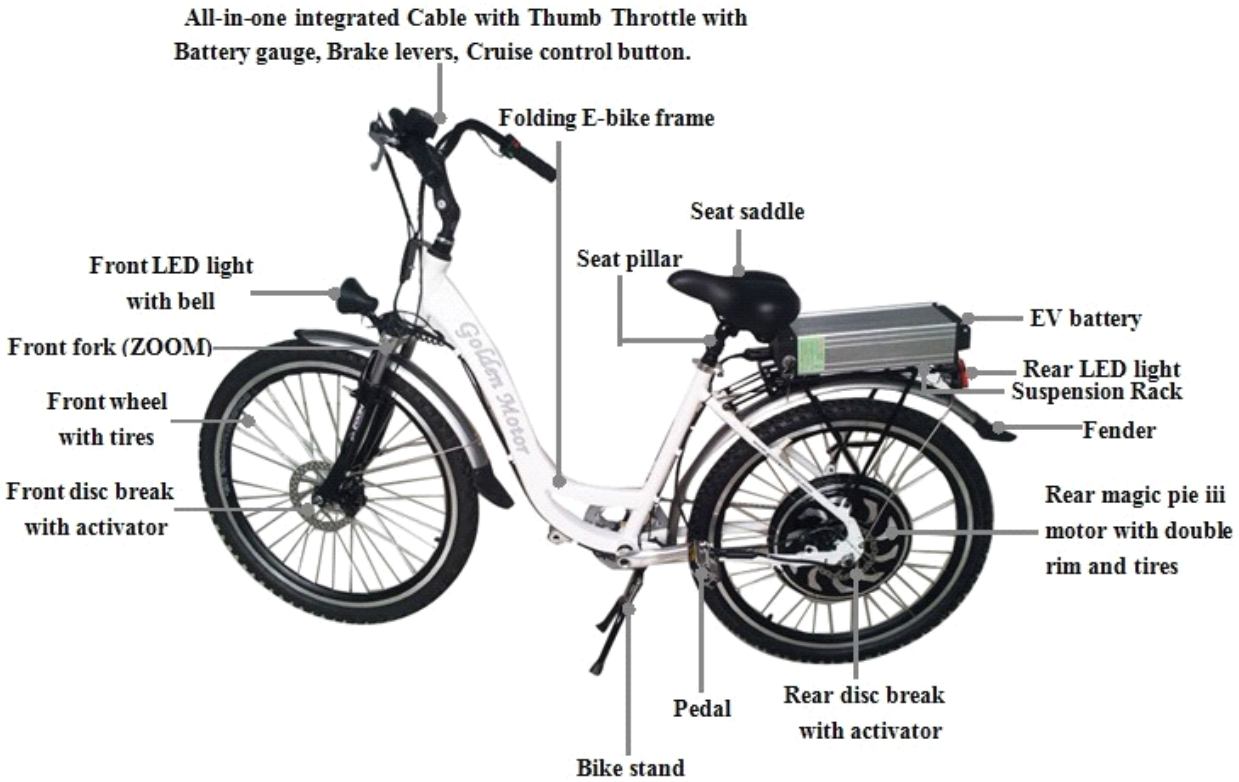
Thank you for buying Leisure E-bike(LEB-400).We hope it brings you many hours of enjoyment and safe riding.

For safe and compact shipping, some parts have been detached from your Leisure E-bike(LEB-400).Some minimal assembly is required before you can begin riding.

Please follow these instructions carefully, including assembly instructions and operating guidance. If you do not feel confident to assemble the bike yourself, we recommend you visit your local cycle store for professional help and advice. Your safety is our first priority.

# 2 Package Contents

Before assembly, please check and familiarize yourself with all the parts below:




**Notes:** A single key is used to unlock the battery and to switch on/off electrical operation. A spare key is supplied. Please keep your spare in a safe place as lost keys are difficult to replace.

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**Check list from package**

1.Bike frame with rear wheel

2.Front wheel

3.Pedal(left and right)

4.Front and tail LED light

5.EV battery(48V 10AH)

6.Battery Charger

7.Power Cord

## 3 Battery Charging and Care

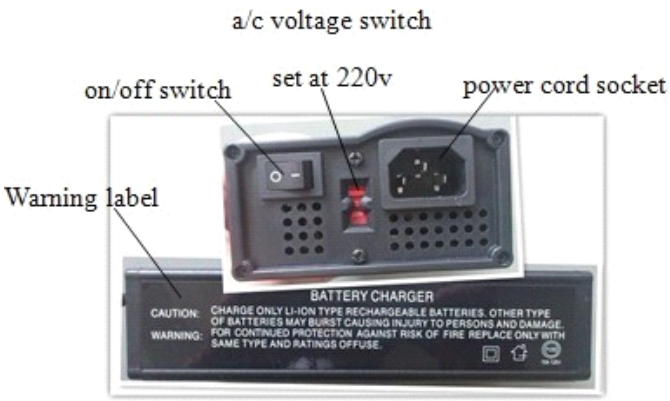
Before use, the battery needs to be fully charged. The battery charger works much like a laptop computer charger and should be charged via a standard 110v/220VAC. Outlet.

### 3.1 Charging Steps

1.Insert charging plug into socket on the battery.

2.Plug power cord to charger and to A/C outlet.

3.Turn the"I/O" switch on the charger to I.


a/c voltage switch
on/off switch
set at 220v
power cord socket
Warning label
BATTERY CHARGER
CAUTION: CHARGE ONLY LI-ION TYPE RECHARGEABLE BATTERIES. OTHER TYPE OF BATTERIES MAY BURST CAUSING INJURY TO PERSONS AND DAMAGE.
WARNING: FOR CONTINUED PROTECTION AGAINST RISK OF FIRE REPLACE ONLY WITH SAME TYPE AND RATINGS OFFUSE.

**Notes:**It's important that to follow this sequence of actions every time you charge the battery.Do not remove the plug by pulling the cord, always grip the charging port by its metal

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body.

## 3.2 Check the Charging Indicators

- LED showing Green---AC power connected to AC or connector
- LED showing RED---Charging up
- LED showing RED---Charging up
- LED showing Flicker---Battery failure or Battery misuse or Charger fault
- LED showing Light off---Missed AC power or bad connection or charge fault

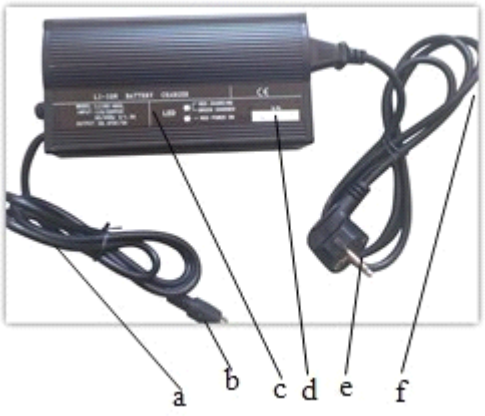
It will take a maximum of 4-5 hours to fully charge your battery. You may interrupt the charging at any time.

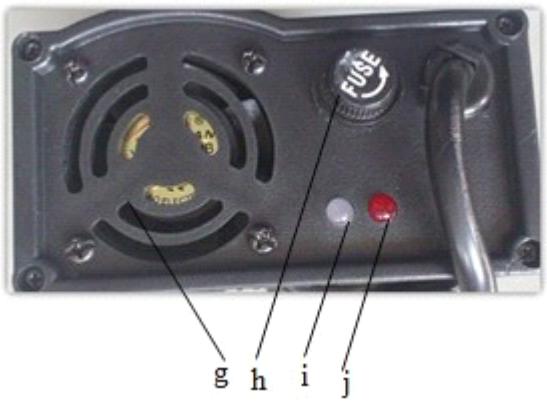
As Li Ion batteries do not suffer from memory effect, it is not required for the battery to be empty to recharge.

Charging every time you've completed your bike ride is recommended. Kept in good condition, the Li-Ion battery will perform 800 charge cycles, with a retention of 70% from its original capacity.

## 3.3 Charging Specification

***Please use only the Li -ion charger as provided.***




a. Charging cord
b. Male charging plug
c. Charger specifications
d. Charger serial no.
e. Power outlet
f. Power cord
g. Cooling fan
h. Fuse 10 Amps
i.Charging status LED
j.Charger 'ON' LED

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**Notes:**A new battery might take 2-3 charger before it performs at it's stated capacity.

## 3.4 Battery Care & Safety

Sometimes after temporary disconnection, the charging status light may give a false green reading. To verify that your battery is fully charged, switch the charger off, wait for the charger lights to go out and switch it back on again. The charging status light should quickly return from amber to green when the battery is fully charged.

The battery may be also charged on the bicycle. Please make sure that the bicycle key is switched off.

If the battery refuses to accept a charge, contact your dealer for more information.

Battery charging is automatically regulated, and there is no danger of overcharging. It is advised that you disconnect the battery and switch the charger off as soon as the charging process is completed.

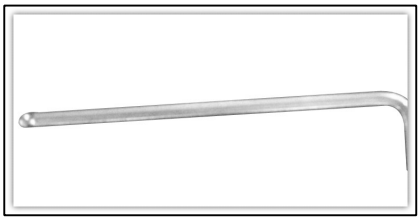
- Storage temperature shall be at 0-25℃.
- do not shot circuit battery .
- do not place battery under high temperature or immerse in water, acidic liquid etc.
- please use specified charger to charge battery.
- please charge the battery timely after using it or its service life will be lessened.
- If battery is not to be used for long period of time ,please charge the battery every three month.

# 4 Assembly Instructions

**Tools required:**

A.the torque wrench

B.the six square wrench (5mm)



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## STEP 1 Front Wheel with motor

**A**.Mount the front wheel on the front fork.Make sure the axle of the front wheel has been completely pushed into the mount.

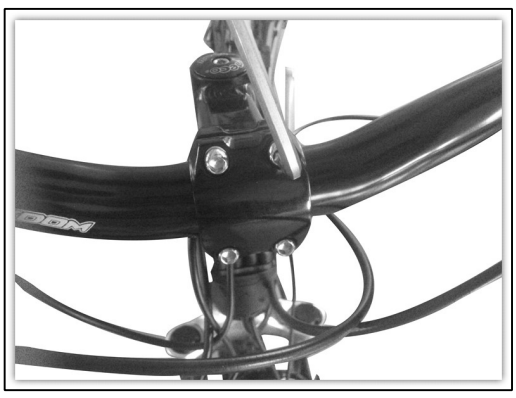
**B.**Tighten the side bolts with the torque wrench.

**Warning:1.**Make sure the wheel is in the middle of the front fork and the nuts should be tighten strongly.And the front fork should be of high quality and strong enough as the magic pie front motor is powerful.

2.Stand up to see if the wheel is centralized. If not, adjust the tension in the side bolts. Lift up the entire bike and give the front wheel a twist. Check to see if the front wheel can spin freely. If not, add some lubricant or loosen the bolt slightly.

**Notes:** Ensure that the tires are inflated to the correct pressure of 50 - 60 psi. Well inflated tires enhances the comfort, safety and efficiency of your ride**.**

## STEP 2 Handle Bar



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A.Handlebar and stem comes pre-assembled. Loosen bolts on the stem and insert and turn the handle bar assembly until it is in right angles with the frame. Then tighten.

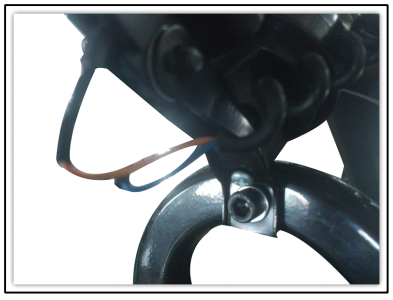
Notes:Tightening torque 13 ft. lbs

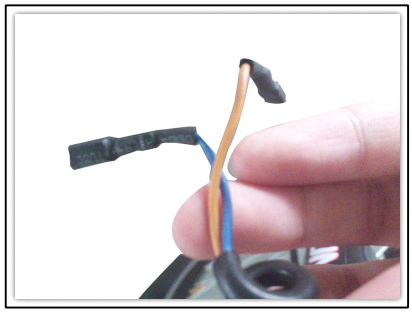
## STEP 3 Pedal

A.Pedals are marked "L" and "R" for left and right respectively.Screw in clockwise for the "R" pedal and counter-clockwise for "L".

Notes:Distinguish the left and right for pedal for rider's safety.

## STEP 4 Front LED Light

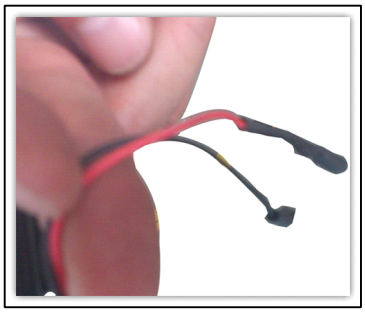


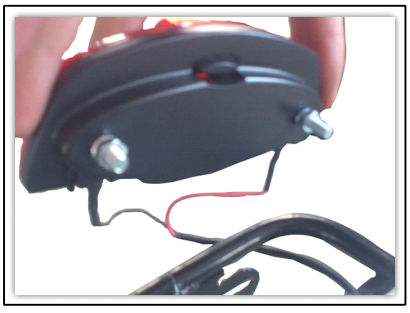


A.Install the LED light with the six square wrench. And connect the yellow cord"+" above, and the blue cord follows.Order can not be reversed,otherwise,the LED light will short-circuit.

Warning:Order should be right,otherwise, short-circuit will happen.

## STEP 5 Tail LED light





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A.Connect the red cord"+" and the black cord "-" in order.

Warning:Order can not be reversed,otherwise,the LED light will short-circuit.

## STEP 6 Battery

**A.**Insert key into keyhole and turn key counter clockwise while pressing it in, so that it arrives in the open, unlocked position. Then mount the battery pack onto the sliding rack.

**B.**Plug in the power cord into the battery and slide on the rubber. Distinguish “+” and “-“.

**C.**Once the battery is in position, lock into place by turning the key one click clockwise to the “ ” position. Ensure that the key is in “ ” position until you are ready to ride. So that the battery pack cannot be pulled out from it’s current position. It means the e-bike is locked.

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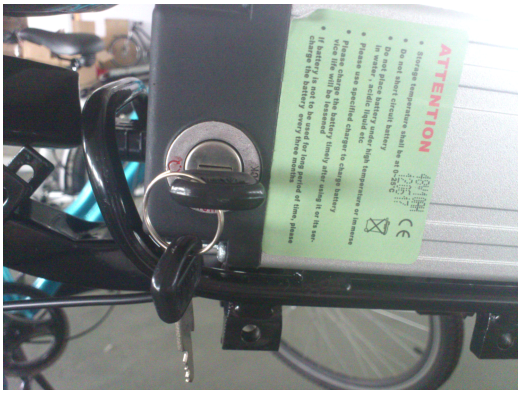
**STEP 6 Whole test :**

**A.** Turn on the key to "⏻" and check if the battery gauge lights up.



**B.** Lift up the rear wheel and tap on the throttle, get a feel of the bike before riding it.

**C.** Adjust the saddle height .For maximum comfort ensure that the saddle is both correctly adjusted and secure. Once set up correctly, the height of the saddle can be adjusted without tools. Loosen the lever at the top of the frame below the saddle to raise or lower the saddle. With the saddle at the required height, secure it by tightening the lever. Tighten or loosen the nut on the lever if required.

**D.** Turn on the lights, adjust the front light angle, test the suspension, adjust the ZOOM suspension pressure by twisting the thingy that has a “+” and “-” labeled on it.

**WARNING:** Failure to properly assemble and adjust your bike prior to use may result in an accident resulting in death, serious injury and/or property damage. If you are uncertain about any aspect of the assembly and adjustment of your bike, seek help from a qualified mechanic.

**WARNING:** There are no user serviceable elements incorporated into the motor, motor controller, battery, battery charger, throttle, or wiring harness of your electric bicycle.

**DO NOT ATTEMPT TO DISASSEMBLE OR ADJUST ANY OF THESE COMPONENTS.**

Doing so may cause extensive damage to these components, will void your warranty, and may cause a

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hazardous condition. If you cannot resolve a problem using the Troubleshooting Guide, contact your Golden Motor authorized dealer, or email feedback to sales@goldenmotor.com for assistance.

# 5 Inspection Before Riding Again

Before mounting your cycle to ride, remember to check the following:

- Battery is fully charged.
- Tires are inflated to the correct pressure.
- Brakes are operating effectively.
- Handlebars are correctly adjusted and secure.
- Seat is at the correct height for the user.
- Lights are working.
- All nuts and bolts are secure (including pre-assembled ones).

While cycling, it is your responsibility to be attentive of your environment and traffic rules:

- Wear shoes that stay on your feet and grip firmly to the pedals. Do not wear sandals or ride barefoot.
- Dress to be visible on the road and avoid loose clothes that will tangle with moving parts of the bicycle.
- Keep your speed at levels appropriate to road conditions.
- Be aware of wet weather conditions, as these affect braking distance. Brake earlier than you normally would on dry roads.
- Familiarize yourself with the traffic rules in the state you are riding in.
- Avoid cycling in poor weather and visibility conditions such as fog, night, heavy rain and snow. Keep your lights on in such conditions.
- Familiarize yourself with the usage of the bike and how to maintain it.

# 6 Operation

## 6.1 Overview

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The Leisure E-bike(LEB-400) is an electrically assisted bicycle that operates as a standard bicycle, with the assistance of a motor and battery. The power provided supports the rider's own efforts, giving increased performance with less effort.

The design of the e-Bike is simple and free of clutter. There is no emission of smoke or noise and operation is pollution-free. It is important to fully understand the functioning of the e-bikes before you take your first ride. If you allow the bike to be used by someone else, please ensure that the user is familiar with the instructions in this manual.

## 6.2 The first ride

Before you wheel your bike out into the world, we recommend you practice handling the bike in a safe area away from obstructions and traffic. The motor may look small, but it's powerful! You'll be riding faster than you think.

Turn the key to the "" position. A red LED will illuminate below the key socket. If the light flashes, read the Troubleshooting section of this manual. If it shines steadily,you're ready for the next step.

## 6.3 Power

Switch on the power by turning the key to ""in the battery, clockwise to the right. As soon as the rider begins to pedal, the motor supplies energy to support the cyclist's efforts. Power can also be supplied by the throttle. If the rider prefers to cycle without the assistance of the motor, the ignition may be left off.

## 6.4 E-bike or Throttle Mode

The Leisure E-bike(LEB-400) has an independent throttle. This allows the user to choose whether or not to use the power (independent of pedaling) and, if using it, to vary it according to requirements. Throttle comes with a thumb push-button , which turns on and off the throttle action. It is best for the life of the battery and the motor to begin pedaling from start rather than use the throttle at max torque.

Ensure that you are seated and ready to ride before you use the throttle. You may toggle the throttle on and off with the switch located on it. In E-bike mode, the range of your bike will be approximately 50km. And even more with Pedal assistance .Weight of the user, the terrain, and how much you use the throttle are all factors in how far you can go.

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## 6.5 1+1 Pedal Assist Mode

Release the throttle to its neutral position during riding, press cruise speed controller button twice, listen a beep sound, the system enters into pedelec (PAS) mode. Cut off power supply to the controller to reset this system.

**Notes:**The PAS functions pedals only if the throttle is not twisted. If the throttle controls the motor without pedaling, then the bike operates electric only. You may use both pedaling and throttle assist to suit your riding comfort as well as journey requirement.

## 6.6 Cruise speed control

Pressing the cruise control button will make your E-Bike maintain the speed you are currently at. Squeezing the brakes or pressing the cruise control button again will disable it.

## 6.7 Brakes

Make sure your brakes are adjusted correctly at all times.

Fine tuning of the brakes can be made using 5 mm Allen screws that are located at the join of the brake lever to the cable. Grip the calipers as you loosen the Allen screw on the cable to prevent the end of the brake cable from slipping out. Adjust the brake cable until the wheel spins freely and the brake operates effectively when applied.

Replace the brake blocks when worn.

## 6.8 Battery level gauge

When riding a fully charged bicycle, the battery level gauge on throttle shows 'FULL'. Powerful acceleration or uphill riding causes the battery voltage to drop and may bring the level gauge to ‘HALF' or even ‘EMPTY’ (in the cases of very steep hills). As you continue to cycle and the battery power drops, the level gauge will correspond to the state of charge remaining. When it remains in ‘HALF’and dips into ‘EMPTY, you have approximately a 1/3 of the charge left. Best to recharge the battery soon. To prevent the battery from deep discharge, the controller has a low voltage protection cut-off set at 30.0 V. You may reboot the battery if it cuts off, however continued use of the battery by switching off and on will cause deep discharge and

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permanently damage the battery.

## 6.9 Lighting system

Leisure E-bike(LEB-400) features wide angle high performance LED front and rear lights.They are powered by the main battery; electrical consumption is negligible, be safe, use them often.

## 6.10 Lock

When parking your bicycle, turning the key to the " " position and removing it will shut the system off and lock the battery in place. Use a chain lock to further secure your bicycle when necessary. We also recommend you insure your bike against theft.

## 6.11 Central support stand

This spring loaded stand supports your bike straight up. Use your feet to depress the stand downwards and pull the bike backwards. Ensure the stand is firmly rested on the ground before leaving the bike. Do not sit on the bike with the stand parked. The central support stand is made of aluminum alloy and meant to only take the weight of the bicycle and not with the rider on it.

## 6.12 Motor phase Calibrating

The controller can work brushless motors with different phase angles other than defaulted 120 degree. Below are procedures to allow the controller to match the motor phases:

- Cut-off power to controller and motor
- Grip and hold power brake lever, turn throttle to maximum speed position, press and hold the cruise control button, turn on the power switch (using battery key)
- Connect battery power to the system, release throttle, release brake lever, release cruise control button.
- Listen for two beep sounds, then turn the motor wheel forward and reverse once.
- When you hear a beep sound, motor phase calibrating is successful.
- If it fails, swap any two of the three motor phase wires, and repeat the above steps.

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# 7 Professional Maintenance

**MAINTENANCE**

- Recharge the battery at least once a month even if you are not using it.

  Reason: The battery will discharge small amounts of electrical energy even when you are not using it. Your battery might experience low voltage corruption if you do not charge it.
- Always wear a safety helmet when you ride the bike.
- Always turn on the LED lights when it is dark.
- Slow down and keep your speed slow while riding near traffic or in a crowded place.
- Check for loose wires, screws, bolts and connections.
- Check the tire pressure at least once per week.
- Always tug on the battery pack after mounting and locking it to the sliding rack to check if it has mounted securely onto the rack.
- Always use a damp cloth when cleaning your bike, never use too much water.
- Check the Golden Motor forums, website for more updates and new product features.
- Give feedback about the product to Golden Motor staff via the Golden Motor forums.
- Hub motor and general inspection.After 5,000 kms (3,000 miles) of cycling, we recommend you arrange to have a thorough inspection of your bicycle by a dealer. This includes opening up the hub motor to inspect and lubricate the gears.

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# 8 Safety Cautions

**WARNING**

- Try your best not to ride the bike out on a rainy day.

The initial acceleration of the bike is fast; hence it would cause the tires to skid on wet ground.

- Try not to ride near a cliff or near a river.

The E-bike is usually more powerful than a single human being. Misuse of the throttle near these places may lead to severe injuries or even death.

- Do not ride near a strong magnetic field.

Strong magnetic fields will corrupt and damage the Motor's hall, controller and throttle. The damage would be irreversible.

- Never connect the battery in the wrong polarity.

our controller will be damaged beyond repair and if your BMS is faulty or old, the battery may explode depending on the circumstances.

- Never attempt to repair the Battery/Motor/Controller yourself.

Golden Motor technicians are professionally trained to repair these core components. It is dangerous to repair them manually. Warranty void if self-repair attempts are found.

- Never leave your bike attended.

our bike is expensive, please take care of it.

- Never let children below the age of 17 use the bike.

They may not be fit to handle the bike.

- Never attempt to modify the bike, change the core components etc.

den Motor will not be responsible for any damage, injuries to you or your bike if you have modified it.

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# 9 Troubleshooting

## 9.1 Motor not working

- Check that the ignition has been switched on.
- Check that the battery is properly inserted in its housing, with cable plugged in.
- Check that the battery is charged.
- Check if any electrical cables or connection have become dislodged.

## 9.2 Motor hall-sensor malfunctions

When the controller detects a motor hall-sensor failure, it will beep twice before automatically entering into sensor-independent control mode. Twist/press the throttle to run the motor and pedal your bike for a push start if the motor does not operate. (This malfunction seldom happens in a state of sensor-independent control status)

## 9.3 Throttle malfunctions

When the throttle fails to function correctly, the controller will beep three times. In this situation, press and hold the cruise control button to drive your bike at half the maximum speed. The controller will automatically return to its original status when the problem is resolved.

## 9.4 Power-brake lever malfunction

If the power-brakes level malfunctions ( i.e. disconnected from the controller), twist/press the throttle repeatedly for at least four times. The controller will then beep four times if this malfunction is detected. Similarly, press and hold the cruise control button to drive your bike at half the maximum speed. The controller will automatically return to its original status when the problem is resolved.

## 9.5 Riding feels wobbly and unstable

- Check that wheels are centered.
- Check the bearing play of the hubs by lifting the bicycle and spinning the wheel.
- Check the play of the hubs while trying to move the rim from side to side between the forks.

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- Verify spoke tightness and rim alignment.
- Inspect and tighten screws and nuts on the handlebar and stem
- Tighten the saddle clamp as needed

Check spoke tension regularly. Approximately the same tension should be applied to all spokes. Tighten loose spokes at the nipples using a spoke wrench. If you detect a loose spoke or if the rim has a side play of more than 4mm (1/8 inch), have the wheel trued by a bicycle mechanic.

## 9.6 Light(s) not working

- Check that the wiring is not broken.
- Check that the bulbs are inserted correctly.
- Check that all connections are made properly and secure.

## 9.7 Unknown malfunctions

If your e-Bike fails to move and the cause is unknown or if your battery is low, you can force your eBike to work. While squeezing the power-brakes, press the cruise control button five times and if you hear the honk from your horn, press and hold the cruise control button again and you can drive your bike at half speed. You will need to turn off the battery power to reset the controller back to normal mode after the problem is resolved.

# 10 Specifications

(*We strive to keep information current, but some changes may be made without notice*)

## 10.1 Performance

(*Measured with 165 pound rider on level ground, no wind*)

Maximum speed (motor only): 45km/h

Maximum range (without Pedal Assist): >50km

Gross payload: 120kg

*Note: many factors affect speed and range capabilities of the electric bikes. Terrain and hills, road surface, rider cross-section, rider weight, winds, tire inflation pressure, etc., all affect how far and how fast you

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go. Please see the Operations section of this Owner's Manual for more details.

## 10.2 Bicycle

| | |
|---|---|
| **Frame:** | Golden Motor® Aluminum Alloy bike frame |
| **Color:** | White |
| **Rim:** | Al alloy twin wall and CNC side wall |
| **Tyres:** | 26" x 1.95", puncture resistent K-shield |
| **Spokes:** | 13g stainless steel |
| **Brakes (Front and Rear):** | Disc brake |
| **Gears:** | 6 speed Shimano Tourney® derailleur & shifter system |
| **Front Fork:** | Suspension, al alloy double crown(ZOOM) |
| **Throttle:** | Variable speed Thumb throttle with battery level indicator |
| **Control Button:** | Cruise speed control button |
| **Handle Bars:** | Al alloy (ZOOM) |
| **Chainwheel:** | Steel 44T, Al alloy crank |
| **Chain:** | Rust resistant |
| **Saddle:** | GEL city saddle |
| **Seat Post:** | Al alloy with suspension (ZOOM) |
| **Lighting:** | LED headlight&Tail light |
| **PAS:** | 1:1 Pedelec Assist System(Speed sensor) |
| **Stem:** | diameter 28.6mm |
| **Wire:** | Water-proof integral wiring set with silver plated Plug-pins |
| **N.W/G.Weight:** | 31kgs /38kgs |
| **LED State-of-charge indicator:** | LED showing Green--AC power connected to AC or connector |
| | LED showing RED---Charging up |
| | LED showing RED---Charging up |
| | LED showing Flicker---Battery failure or Battery misuse or |

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Charger fault

LED showing Light off---Missed AC power or bad connection or charge fault

**Security:** Key-lock ON/OFF switch

Battery lock on bike

**Safety:** LED head light

Audible signaling device (ring horn)

**Convenience:** Quick release seat height adjustment mechanism

Adjustable handlebar stem

## 10.3 Motor

**Type:** magic pie iii rear motor

Brushless

Rear wheel with built-in Cruise/Regen controller

Voltage: 48V

Power rating: 750W/1000W (Total System)

## 10.4 Battery

**Type:** LiFePO4 Battery Li150-48AL

Rated voltage: 48Volts

Rated capacity:10AH

Max discharge current: 35A

Max Continuous Discharge Current: 20A

Charge method: CC/CV

Charging Cycles: >800 times

Ranges(full electric mode): 50Km(48V10AH)

Weight:7.5KG

Carton Size:41cm*20cm*44cm

Aluminium Casing with Switch/Key

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Extra long cycle life - 5 times life of Lead Acid and 2 times of NiMH

## 10.5 Charger

| | |
|---|---|
| **Model:** | Li150-48L |
| **Weight:** | 0.5KG |
| **Input voltage:** | 110/220VAC;60/50HZ 3/1.5A |
| **Output voltage:** | 58.4VDC/3A |
| **Output amperage:** | 2.0±0.2A |
| **LED** | Red- charging<br>Green - charged<br>Red:Power On |

# 11 FAQ

**Q. Do I have to pedal the LEB-400 E-bike first before it works?**

**A.** No, there's no need for you to pedal the E-bike to initiate motion. All you have to do is press the button for your selected speed and you are ready to go.

**Q. Can I ride the LEB-400 E-bike without using the battery power?**

**A.** Yes, riders can use the e-bike without applying battery power by manually pedaling it.

**Q. Is the motor noisy on the E-bike?**

**A.** The motor makes almost no buzzing sound when under power . In fact, the noise it produces is very minimal.It is quiet.

**Q. How far will a one full charge go?**

**A.** One full charge could travel an approximate distance of 50 kilometers on a flat surface with a 45 kilogram rider.

**Q. How fast will it go?**

A. The LEB-400 E-bike goes up to 45kph.

**Q. Does the LEB-400 E-bike have a warranty?**

**A.** We offer a two years warranty on the electronic components, motor and one year on battery and

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charger only.

**Q. Is it okay to manually pedal the LEB-400 E-bike and use the motor mode at the same time?**

A. Yes, the manual and automatic features can be used simultaneously and won't have any damaging effect to the e-bike.

**Q. How long does it take to recharge?**

**A.** Charging time lasts approximately 4-5hours.

**Q. How about braking?**

**A.** Braking is just like normal. Normal reflexes would dictate that once you grip the brakes, you should release your finger from the accelerator button.

**Q. Is it dangerous for the rider if the LEB-400 E-bike gets wet?**

**A.** Since the electronic components of the LEB-400 E-bike utilize a minimal voltage, having the E-bike exposed to sudden heavy downpour will not cause electric shock.

**Q. What will happen if I left the charger on longer than the recommended time?**

**A.** There is no effect to the LEB-400 E-bike if it was left longer than the recommended charging time. After 3 hours of fully charging the E-bike, the intelligent charger will revert to trickle charge.

**Q. What will happen if the LEB-400 E-bike gets involved in an accident/mishap?**

**A.** Although a two years warranty is given to the electronic components, motor and a one year for battery and charger, the unit is not warranted against untoward incidences such as accidents, calamities, negligence and the like.

**Q. How will I inflate flat tires?**

**A.** Changing tires in an E-bike is no different as to changing tires in any ordinary bicycle.

**Q. If I ran out of battery, what will I do, aside from manually pedaling the bike?**

**A.** Use the charger and plug it to 220V outlet.

**Q. When driving downhill or every time we manually pedal the bike, does it recharge the batteries?**

**A.** Yes, the LEB-400 E-bike has a regenerative braking.

**Q. Can the LEB-400 e-bike motor overheat?**

A. Yes. Abusive use of the motor and long steep climbs can cause the motor to overheat. Some amount of

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work on the pedal would ease the load on the motor.

**Q. Can I use the LEB-400 e-bike at steep gradients?**

A. Yes, but make sure that the batteries are fully charged. Low voltage may cause the motor to overheat.

**Q. What maintenance is required?**

**A.** The E-bike system requires normal bicycle maintenance only. The entire system can be wiped dry while it is turned off.

**Q. What if I already have a regular bicycle? Can I have it converted to a LEB-400 E-bike?**

**A.** Yes, but it will depend on the mounting of your bike and will require some modifications. We could offer a LEB-400 E-bike "do-it-yourself" kit that you can easily install.

**Q. What is the difference between an electric scooter and an electric bicycle?**

**A.** i.) the LEB-400E-bike, which can run up to 45 kph, is faster than most electric scooter

ii.) the LEB-400 E-bike can travel a longer mileage (covers an approximate of 50 km at one full charge)

iii.) the LEB-400 E-bike can be manually pedaled at the event that battery power has run out.

# 12 Returns and Repairs

We offer a flexible 7 day return policy and are happy to accept items back for a refund or exchange if the items are damaged or faulty upon receipt or you simply don't like what you've ordered. If a part is missing or damaged, we will arrange exchange or repair. If there are any issues upon receipt and opening of the package:

Contact us before you make a return.

Goods must be returned within 7 days of receipt.

Goods must be in original packaging.

Goods must not be fitted or used.

The customer is responsible for meeting the return postage costs. The customer is responsible for ensuring that the goods arrive in good condition (we recommend that return shipment be insured).

# 13 Warranty

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## 13.1 How the warranty applies

As the makers, we warranty against possible material or construction defects, provided the following conditions are satisfied :

- Proof of purchase. The warranty starts on the date of purchase.
- Only the first owner is entitled to the warranty.
- 2 years for the frame, fork, all mechanical and electrical parts, except normal wear and tear items.
- 1 year for the battery up to 70% depth of discharge from its original rated capacity. This can be verified by the dealer where the bike was purchased.

## 13.2 How the warranty does not apply

- Inadequate maintenance.
- Unauthorized alteration, modification or misuse.
- Damage through abuse, neglect or accident.
- Assembly in disregard of instructions in this manual.
- Repairs by persons other than Golden Motor Authorized Dealers. (If you need local repair and a Golden Motor dealer is not nearby, contact us for assistance in authorizing repair).
- When the bicycle is used negligently or has damage resulting from a traffic accident.
- Normal wear and tear.
- Poor maintenance or modifications that no longer comply with regulations or original specifications.
- Damage due to external causes.
- The bicycle is used for rental.
- The battery pack is used incorrectly or damaged. This also applies to improper charging.
- Compensatory costs arising from damages or accidents, or cost incurred by loss of the bicycle's usage.

This warranty does not cover use for commercial purposes.

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## 13.3 How the warranty works

- Original defective parts that are sent or returned to the dealer for assessment will be replaced by the same or equal value part.
- Labor and transportation charges are not included.

**Caution : Unauthorized changes/modification or tampering with any part of this product, or operation in any way other than as detailed in this User Manual, will render manufacturer's warranty void.**

This motorized bicycle complies with the equipment and manufacturing requirements for bicycles adopted by the Consumer Product Safety Commission (16 Code of Federal Regulations C.F.R. 1512).

**YOUR INSURANCE POLICIES MAY NOT PROVIDE COVERAGE FOR ACCIDENTS INVOLVING THE USE OF THIS BICYCLE. TO DETERMINE IF COVERAGE IS PROVIDED YOU SHOULD CONTACT YOUR INSURANCE COMPANY OR AGENT.**

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